

- 1 -  
piece 1, NC\_000913, yaaI\_dnaK-, config: linear, direction: -, begin: 12192, end: 11767

5' \*12190 \*12180 \*12170 \*12160 \*12150 \*12140 \*12130 \*12120 \*12110  
- thr - gln - val - asp - thr - asn - tyr - phe - thr - his - leu - asn - val - ser - thr - ile - tyr - ser - val - ile - met - trp - leu -  
- pro - arg - ser - ile - pro - ile - ile - leu - pro - ile -  
- pro - gly - arg - tyr - gln - leu - phe - tyr - pro - ser - lys - arg - leu - his - tyr - ile - phe - gly - his - his - val - val - val - ser - leu -  
- red dots  
... ] NC\_000913.dnaK



p10 6.5 bits

U U p35 4.1 bits

U U

{ } p35-(25)-p10 12145 Gap 4.0 bits  
p35-p10 12145 total 6.6 bits

5' \*12110 \*12100 \*12090 \*12080 \*12070 \*12060 \*12050 \*12040 \*12030 \*12020 \*12010 \*12000 \*11990 \*11980 \*11970 \*11960 \*11950  
- fMet - gln - thr - his - ser - leu - arg - leu - thr - thr - lys - trp - gly - ser -  
- fMet - gln - lys - phe - val - leu - arg - arg - asn - phe - ala - ile - trp - gln - asp - lys - thr -  
- lys - pro - arg - his - gln - gly - gly - asp - ala - lys - ile - phe - cys - ala - phe - ala - gln - lys - phe - arg - asp - met - ala - gly - gln - asp - val -  
- red dots

U U p35 1.9 bits

{ } ... p35-(25)-p10 11948 Gap  
... p35-p10 11948 total 5.5 bits

5' \*11940 \*11930 \*11920 \*11910 \*11900 \*11890 \*11880 \*11870  
- lys - ile - asp - ser - asn - phe - ile - his - ile - lys - asn - glu - sex - gln - pro - arg - his - ser - sex - lys - asn - cys - asn - lys - lys - arg -  
- lys - leu - thr - ala - ile - leu - phe - ile - fMet - asn - arg - ser - gln - gly - ile - his - gln - lys - ile - val - ile - lys - arg - lys - asp -  
- red dots  
U U p10 7.6 bits  
U U p10 2.8 bits  
U U p35 6.4 bits  
sd

{ } ... sd-(11)-ir 11863 Gap  
... ... sd-ir 11863 yaaI\_dnaK- to  
... p35-(25)-p10 11948 Gap 4.0 bits  
... p35-p10 11948 total 5.5 bits

5' \*11860 \*11850 \*11840 \*11830 \*11820 \*11810 \*11800 \*11790  
- leu - arg - ala - red dot  
- tvr - val - pro - glu - ser - ser - leu - tyr - gln - gln - red dot  
ir yaaI\_dnaK- [##] orf 10 codons

... ir  
sd

{ } ... sd-ir 11863 yaaI\_dnaK- total 6.5 bits

5' \*11780 \*11770  
- fMet - lys - ser - val - phe - thr -  
- red dot

{ } ... sd-(8)-ir 11786 Gap  
... ... sd-ir 11786 yaaI\_dnaK- to

... ir yaal\_dnaK-  
... NC\_000913.yaal  
... sd-(8)-ir 11786 Gap 2.4 bits  
... sd-ir 11786 yaal\_dnaK- total 7.2 bits